



The Stennis NASA Educator Resource Center Has Moved!

The NASA Educator Resource Center at Stennis Space Center has moved to building 3101, located next to the guard station on Mississippi Route 607 at the south entrance to Stennis. With this move, most Educator Resource Center workshops will be held at the new location and educators arriving at Stennis from the south will be able to attend the sessions or pick up ERC materials without gaining security clearance. To reach the center, educators from the south (I-10) should take Exit 2 and go north on Hwy. 607. Educators entering from the north (I-59) should take Exit 1 to Hwy. 607 south and must stop at the North Gate entrance and obtain a visitor's badge.

National Aeronautics and
Space Administration

John C. Stennis Space Center
Educator Resource Center
Building 3101
Stennis Space Center, MS 39529-6000

EDUCATOR RESOURCE CENTER



Spring 2010
ERC

John C. Stennis Spring 2010 Educator Workshops

Butterflies in Space

Tuesday, February 23, 2010

CEUs: 0.5

Grades: K-8

Painted Lady butterflies, the newest residents on the International Space Station, will spend several months in space as part of an exciting experiment to observe their life cycles and behaviors in microgravity. Your students are invited to join the investigation! All workshop participants will build a special habitat, with a set of butterfly larvae and food to take back to their classroom. Use "life in space" as a theme to engage your students in conducting their own open-ended scientific investigations.

Our Courage to Soar

Thursday, March 11, 2010

CEUs: 0.5

Grades: 3-5

Through a new NASA resource guide, we will go on an adventure through time to discover the courage and skills used by man to soar to the stars. Through several engaging hands-on activities we will investigate each part of the four forces of flight and identify the difficult obstacles that the early explorers and scientists encountered. Also this unique guide helps you find ways to integrate math, science, vocabulary, history and reading into each of its activities.

NASA Resources in the Classroom

Tuesday, March 23, 2010

CEUs: 0.5

Grades: 5-8

Explore NASA websites for educational teaching materials that include videos, pictures, and computer games. In this workshop you will learn how to search for resources to use in the classroom. NASA provides a wealth of computer learning resources that are safe, fun and educational for your students. Because it is fun, students will love to learn! Helps meet state and national technology standards and addresses learning across the curriculum.

Nutrition and Fitness: Improving Our Health

Tuesday, March 30, 2010

CEUs: 0.5

Grades: K-4

One of NASA's top priorities is to ensure astronauts have proper health care. NASA and the National Space Biomedical Research Institute are conducting research in the role of nutrition in promoting good health and physical fitness for our astronauts. This research will benefit not only NASA and space travelers, but also people right here on Earth. Come and enjoy a fun-filled day of activities to help you engage your students in learning more about good nutrition and physical fitness.

Math ... NASA Style

Thursday, April 22, 2010

CEUs: 0.5

Grades: 5-8

How do you teach math ... NASA Style? By turning moon craters into a geometry problem, by using an interactive Air Traffic Control Simulator to teach distance-rate-time problems, by flying paper airplanes to teach about surface area and many more activities that translate the NASA experience into meaningful math applications. Many new NASA resources, using both web-based and hands-on activities, will be introduced to middle school math teachers who want to teach math ... NASA style!

Helping Our Planet Earth: It's Up to You and Me

Tuesday, April 27, 2010

CEUs: 0.5

Grades: K-4

No doubt, we live on the greatest planet in the universe. Even though there are many problems facing our planet today, there are also many things we can do to help our planet and make sure that the environment has a great future. Have you ever wondered how space exploration impacts your daily life? Most people do not realize how much of NASA's research directly concerning our planet benefits the public. This environmental workshop will include new make-and-take activities from NASA educator guides about our

animals, animal habitats, the food chain, "green" tips, recycling and many more topics.

A View from Above: The Hubble Space Telescope

Thursday, April 29, 2010

CEUs: 0.5

Grades: 5-12

Make the stars come alive in your classroom! This workshop will explore our solar system and universe through the "eyes" of the Hubble Space Telescope (HST), celebrating its 20th anniversary of exploration and discovery. Light, color, the electromagnetic spectrum, and careers are a few of the related topics that will be explored in this STEM professional development opportunity that integrates NASA education resources and inquiry activities. Enjoy learning about our universe with this unique "view from above."

GLOBE Workshops

GLOBE (Global Learning and Observations to Benefit the Environment) is a worldwide, hands-on, school-based education and science program. For students, GLOBE provides the opportunity to learn by taking scientifically valid measurements in the fields of land cover/biology, atmosphere/climate, hydrology and soil.

During GLOBE training, educators learn precise methods of collecting measurements. Educators then teach students to collect data from sites at or near their schools and submit it to the GLOBE Web site. Using this free, interactive site, students can create maps and graphs, analyze data sets, and collaborate with scientists and GLOBE students in 100 countries around the world.

TO REGISTER:

Visit the GLOBE Web site at www.GLOBE.gov. Under the "For Teachers" dropdown menu, click on "Workshop Registration," then scroll down and select the workshops listed for Stennis Space Center.

Prerequisites to fully implement the GLOBE program at your school are Internet access for students, a minimum of two GLOBE-trained educators per school, and written approval from the principal outlining interest in the GLOBE program and commitment to provide funding for the necessary instruments. These GLOBE workshops address national standards in science, geography, mathematics and technology.

GLOBE Soil Protocol

Tuesday, March 16, 2010

CEUs: 0.5

Grades: 1-12

Soil is not just dirt; it is a thin layer of one of our planet's precious natural resources. Through this GLOBE investigation, you will learn how to take measurements of soil characteristics, soil moisture, infiltration, and soil temperature. Teaching your students how to take these measurements will provide them with a valuable tool for understanding the soil under their feet.

GLOBE Land Cover Protocol

Tuesday, April 20, 2010

CEUs: 0.5

Grades 1-12

Do you live near a swamp, forest, meadow, farmland, ocean, etc.? Understanding the type and amount of land cover in an area is an important characteristic from the standpoint of understanding the Earth as a system. Upon completing this GLOBE workshop, you and your students will be able to collect the needed data so scientists will better understand the elements essential to life on our planet.

February 2010

MON	TUE	WED	THU	FRI
22	23	24	25	26
	Butterflies in Space (K-8)			
26	27	28	29	30

March 2010

MON	TUE	WED	THU	FRI
1	2	3	4	5
8	9	10	11	12
			Our Courage To Soar (3-5)	
15	16	17	18	19
	GLOBE Soil Protocol (1-12)			
22	23	24	25	26
	NASA Resources in the Classroom (5-8)			
29	30	31		
	Nutrition & Fitness: Improving our Health (K-4)			

April 2010

MON	TUE	WED	THU	FRI
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
	GLOBE Land Cover Protocol (1-12)		Math NASA Style (5-8)	
26	27	28	29	30
	Helping Our Planet Earth: It's Up to You & Me (K-4)		A View from Above (5-12)	

FIRST Robotics Competition In New Orleans March 5 - 6, 2010

Admission is FREE!

Robots can vacuum your carpet, perform surgery, build automobiles and explore the surface of Mars

But what can robots built by local high school students do?

See robots in action performing amazing feats of skill in a sports-like atmosphere and cheer for the robotics teams.

NASA will sponsor a FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition Regional event at the Alario Center in Westwego, Louisiana, Friday, March 5, and Saturday, March 6, 2010.

This is a wonderful opportunity for your students to see technology and innovation at work.

The robots are built and driven by local schools.

In addition to competition, FIRST emphasizes "gracious professionalism" and teamwork.

For more information call 228-688-1378 or go to www.usfirst.org.



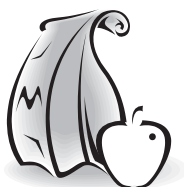
The Educator Resource Center at NASA John C. Stennis Space Center Has Moved ...

To: Building 3101, Room 107 at the South Gate Entrance
on Hwy 607 N.



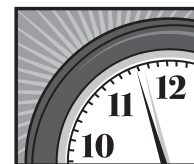
New ERC Hours: 9:00 am to 3:00 pm, Monday through Friday; You will not need a visitor's badge to visit the ERC when coming from the south (I-10).

New Workshop Location: Building 3101, Room 109: Past the Badge-In desk at the end of the hall. A few workshops will still be held at the Little Red School House.



New Lunch Policy: 30 minutes, so bring a bag lunch.

New Workshop Hours: 8:30 am - 2:00 pm. Workshops will still be five (5) contact hours long (with shorter lunch time for earlier dismissal).



Driving Directions:

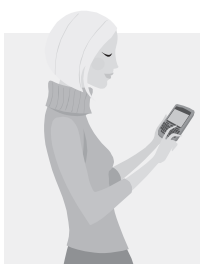
From Interstate-10: Take Exit 2 going north on Hwy 607 and Building 3101 is on the right of the guard gate. Park in front of the building. **You will not need a visitor's badge if entering from the South (I-10).**



From Interstate-59: Take Exit 1 going south on Hwy 607. Stop at Building 7001 at the North Gate entrance to receive your visitor's badge from Security. Re-enter Hwy 607 and continue straight through 3 red lights. At the South Gate entrance, Building 3101 is to the left of the guard gate. Park in front of the building. **You must obtain a visitor's badge if entering from the North (I-59). A valid photo ID is required.**

Note: Use of cell phones while driving on-site is prohibited!

Register for a Workshop: Call 800-237-1821(option 2) or 228-688-3338 between 7 am and 3 pm Monday through Friday. There is a limit of 3 workshops per semester. Teachers may only register for themselves.



Cancellation: Call 228-688-3338 as soon as possible, if unable to attend. Failure to do so will affect your ability to register for future workshops.

CEU credits: 0.5 CEU free credits for each 5-hour workshop; unless otherwise noted.